IRIS®

DESCRIPTION

Recessed lens wall wash luminaire with 4 inch square aperture utilizing horizontal 26W DTT or 26/32/42W TTT compact fluorescent lamps. Modular platform can be reconfigured from below the ceiling to accept a broad range of lamp modules and optical elements. Platform is suitable for shallow plenum commercial construction. Insulation must be kept 3" from top and sides of housing. Platform + module + element combination produces smooth vertical illumination with a minimal downlight component.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Frame
Galvanized steel plaster frame with integral bar hanger receivers. Setscrews provide positive horizontal locking.

Collar
Matte black steel collar adjusts vertically for 1/2" - 1" thick ceilings and can be rotated +/- 7.5° thru the aperture. Integral gun sights facilitate the use of guide strings or laser lines. Shipped with a paint overspray protector.

Lamp Module
Installed or removed thru the aperture or from the top and allows lamp orientation at 0°, 90°, 180° and 270° positions (except 26W DTT or 42W TTT lamps).

Housing
Steel housing painted matte black for a visually dark interior. Removable hinged top allows for top access. All fasteners are captive.

Gaskets
Closed cell gaskets achieve restrictive airflow requirements without additional caulking.

Optical Element
Mousetrap type springs pull flange tight to ceiling. Light trap eliminates spill light at edge of flange and reflector. Available in self-flanged or metal trim ring versions. May also be installed rimless using optional plastering lathing ring.

Bar Hangers
Captive preinstalled bar hangers adjusts from 8-1/2" to 24" wide; pass thru feature allows shortening without removal. Captive nail penetrates standard and engineered lumber. Mounting flange levels platform with ceiling. Integral clip attaches directly to t-bar.

Butterfly Bracket
Provides 3" of vertical adjustment and accept 1/2" EMT, C channel or bar hangers.

Primary Reflector
Miro® Erotek segmented upper reflector. Accepts 26W DTT or 26/32/42W TTT compact fluorescent lamps.

Lower Reflector
Specular aluminum kicker reflector integral with angle cut parabolic shielding prismatoid and glass spread lens. Provides smooth vertical illumination with a minimal downlight component. Available in a wide range of semi specular Alzak® finishes.

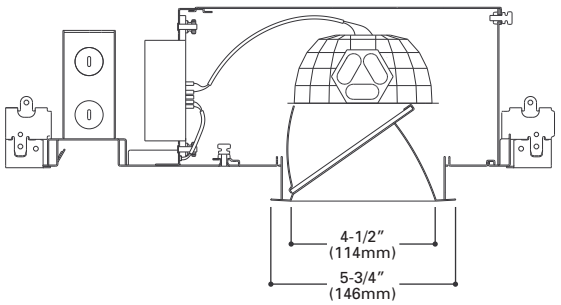
Junction Box
(7) 1/2" trade size pry outs, (3) integral clamps for non-metallic cable. Rated for (8) #12 thru branch circuits. Wago® type push wire connectors for field connections

Thermal Protector
Self-resetting thermal protector protects against improper lamping and direct contact with insulation.

Ballast
Universal input electronic ballast features multi-watt capability operating 26W DTT and 26/32/42W TTT lamps with full lumen output. Programmed rapid start allows use with occupancy sensors and building control systems.

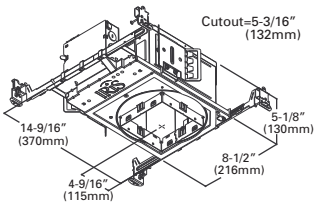
Lamp Socket
4 pin Gx24q3/4 base with rotary lock socket ensures positive lamp retention. Lamp socket locks into one of two positions accommodating different lamp lengths.

Code Compliance
Thermally protected and cULus listed for protected wet locations and ASTM-E283 AIRTITE(tm).



P406TAT
MH4CFL42E
E4LWW
26W DTT, or 26/32/42W TTT Compact Fluorescent

4 Inch Square Lens Wall Wash



ENERGY DATA			
Min. Starting Temp -18°C		Sound Rating Class A	
EMI/RFI Emissions FCC Part 18		Input Frequency 50/60 Hz	
Power Factor > 0.98		THD < 10%	
Input Voltage		120V - 277V	347V
26W	Input Power	29W	31W
	Input Current	0.24A	0.09A
32W	Input Power	36W	36W
	Input Current	0.31A	0.11A
42W	Input Power	46W	50W
	Input Current	0.38A	0.15A
ENERGY DATA - DIMMING			
Min. Starting Temp 10°C			
Sound Rating Inaudible in a 27dBa Ambient			
EMI/RFI Emissions FCC Part 18 Consumer Limits			
Input Frequency 60 Hz		Power Factor > 0.95	
Input Voltage 120V		THD < 20%	
26W Input Current		0.27A	
32W Input Current		0.33A	

ORDERING INFORMATION: Complete unit consists of platform, lamp module and optical element.

Platform	Lamp Module	Ballast Option	Optical Element	Finish	Flange	Accessories
	MH4CFL					

P406TAT = 4″ Square Aperture Non-IC Housing
P406TCP = 4″ Square Aperture Non-IC Chicago Plenum Housing

MH4CFL = Horizontal Compact Fluorescent Lamp Module

42E = 26W DTT 26/32/42W TTT 120-277V UNV
423E = 26W DTT 26/32/42W TTT 347V
1D26 = 26W DTT/TTT Lutron TuWire Dimming 120V
1D32 = 32W TTT Lutron TuWire Dimming 120V

E4LWW = 4" Square Aperture Lower Shielding Prismatoid, Lens Wall Wash

Alzak® Finishes
H = Clear Haze
WMH = Warm Haze
WHH = Wheat Haze
KH = Cognac Haze
GPH = Graphite Haze
CTH = Cobalt Haze
CCH = Chocolate Haze
BH = Black Haze
Painted Finishes
MW = Matte White
MB = Matte Black

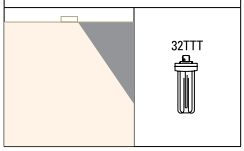
[Blank] = Metal Trim Ring, Matte White
SF = Self Flanged
SFWF = Self Flanged, Matte White Flange

PLR4x4 = Plaster lathing ring for rimless
RLA4x4 = Rimless adapter for solid ceiling surfaces
MTR4MW = Metal trim ring, matte white
MTR4MB = Metal trim ring, matte black
MTR4SN = Metal trim ring, satin nickel
MTR4AC = Metal trim ring, antique copper
MTR4TBZ = Metal trim ring, tuscan bronze

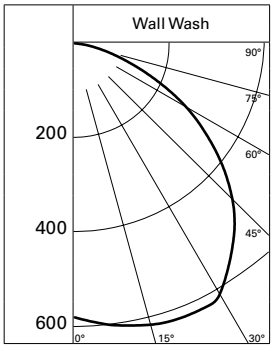
Photometric Results

Efficiency = 38.6%

Test No. 254P239
Platform = P406TAT
Element = E4LWWH
Lumens = 2400
Lamp = CF32TTT/E/841



Candlepower Distribution



Candelas

CD Wall	Vertical Angle
0	90
4	85
75	75
198	65
340	55
468	45
563	35
615	25
608	15
586	5
572	0

Zonal Lumens Summary

Zone	Lumens	% Lamp	% Luminaire
0- 30	385	16	41.5
0- 40	574	23.9	61.9
0- 60	837	34.9	90.3
0- 90	927	38.6	100
90-180	0	0	0
0-180	927	38.6	100

Single Unit Footcandles **Multiple Unit Footcandles**

	2' from wall (distance from fixture along wall)				2' from wall (spacing between fixtures)						3' from wall (spacing between fixtures)					
DD	■	1'	2'	3'	■ —— 2' —— ■			■ —— 3' —— ■			■ —— 3' —— ■			■ —— 4' —— ■		
1	40	16	4	1	49	34	49	42	17	42	13	9	13	11	5	11
2	41	24	8	3	60	55	60	47	30	47	26	20	26	23	13	23
3	25	18	9	4	45	45	45	32	28	32	27	24	27	22	16	22
4	14	12	7	4	32	32	32	22	21	22	22	22	22	18	16	18
5	8	7	5	3	22	22	22	15	15	15	18	18	18	14	13	14
6	5	4	3	2	15	16	15	11	11	11	14	14	14	11	11	11
7	3	3	2	2	11	11	11	8	8	8	11	11	11	8	9	8
8	2	2	2	1	8	9	8	6	6	6	9	9	9	7	7	7
9	2	1	1	1	6	7	6	5	5	5	7	7	7	5	5	5
10	1	1	1	1	5	5	5	4	4	4	6	6	6	4	5	4

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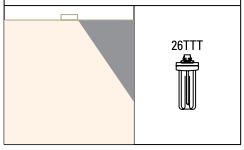
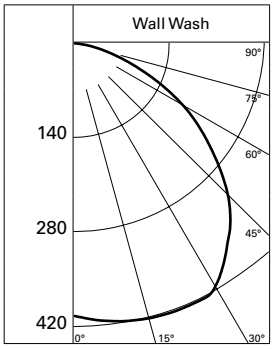
Photometric Results

Efficiency = 36.0%

Test No. 254P240
Platform = P406TAT
Element = E4LWWH
Lumens = 1800
Lamp = CF26TTT/E/830



Candlepower Distribution



Candelas

CD Wall	Vertical Angle
0	90
3	85
53	75
138	65
233	55
323	45
389	35
424	25
422	15
412	5
404	0

Zonal Lumens Summary

Zone	Lumens	% Lamp	% Luminaire
0- 30	272	15.1	42
0- 40	403	22.4	62.3
0- 60	584	32.5	90.3
0- 90	647	36	100
90-180	0	0	0
0-180	647	36	100

Single Unit Footcandles **Multiple Unit Footcandles**

	2' from wall (distance from fixture along wall)				2' from wall (spacing between fixtures)						3' from wall (spacing between fixtures)					
DD	■	1'	2'	3'	■ —— 2' —— ■			■ —— 3' —— ■			■ —— 3' —— ■			■ —— 4' —— ■		
1	27	11	3	1	33	24	34	29	11	29	9	6	9	8	3	8
2	29	17	5	2	41	38	41	33	20	33	17	14	18	12	6	12
3	17	13	6	2	31	31	31	22	19	22	18	17	18	14	9	14
4	10	8	5	2	22	22	22	15	15	15	15	15	15	13	11	13
5	5	5	3	2	15	15	15	10	10	10	12	12	12	10	10	10
6	3	3	2	2	11	11	11	7	8	7	10	10	10	8	8	8
7	2	2	2	1	8	8	8	6	6	6	7	8	7	6	6	6
8	2	1	1	1	6	6	6	4	4	4	6	6	6	5	5	5
9	1	1	1	1	5	5	5	3	3	3	5	5	5	4	4	4
10	1	1	1	1	4	4	4	3	3	3	4	4	4	3	3	3